

### ABSTRACT OF THE DISCLOSURE

A metal x-ray device component is provided that includes a high emissivity inorganically bonded ceramic coating that can be applied with minimal surface preparation and that provides good resistance to corrosion and oxidation of substrates in high temperature, vacuum environments. The coating has good dielectric properties, is stable in the high temperature, vacuum environment characteristic of x-ray devices, and provides effective and reliable performance over a wide range of operating temperatures.

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